

WHAT IS CLAIMED IS:

- 1 Sub A1/ 1. A method for executing a query against a database on a data storage device
2 connected to a computer, the method comprising:
3 modifying the query to replace one or more selected clauses with a false clause;
4 executing the modified query with the false clause; and
5 retrieving metadata from the result set obtained by executing the modified query.
- 1 2. The method of claim 1, wherein the query comprises a SELECT statement.
- 1 3. The method of claim 2, wherein the SELECT statement is not a SELECT
2 INTO statement.
- 1 4. The method of claim 1, wherein the selected clauses comprise WHERE
2 clauses.
- 1 5. The method of claim 1, wherein the selected clauses comprise GROUP BY
2 clauses.
- 1 6. The method of claim 1, wherein modifying the query comprises:
2 generating a list of modified queries, wherein each modified query has one or more
3 selected clauses replaced with a false clause; and
4 executing each modified query until one executes successfully.
- 1 7. The method of claim 6, wherein a query executes successfully if it executes
2 without an exception.

1 8. The method of claim 1, wherein the metadata comprises column type data for
2 the result set.

1 9. The method of claim 8, further comprising converting the column type data to
2 JAVA types.

1 10. The method of claim 9, further comprising generating a SQLJ iterator with
2 parameters having the JAVA types.

1 11. The method of claim 1, further comprising determining whether the query
2 requires a SQLJ iterator.

1 12. An apparatus for executing a query, comprising:
2 a computer connected a data storage device that stores a database containing data;
3 one or more computer programs, performed by the computer, for modifying the query
4 to replace one or more selected clauses with a false clause, executing the modified query with
5 the false clause, and retrieving metadata from the result set obtained by executing the
6 modified query.

1 13. The apparatus of claim 12, wherein the query comprises a SELECT statement.

1 14. The apparatus of claim 13, wherein the SELECT statement is not a SELECT
2 INTO statement.

1 15. The apparatus of claim 12, wherein the selected clauses comprise WHERE
2 clauses.

1 23. An article of manufacture comprising a computer program carrier readable by
2 computers and embodying one or more instructions executable by the computer for executing
3 a query against a database on a data storage device connected to the computer, comprising:
4 modifying the query to replace one or more selected clauses with a false clause;
5 executing the modified query with the false clause; and
6 retrieving metadata from the result set obtained by executing the modified query.

1 24. The article of manufacture of claim 23, wherein the query comprises a
2 SELECT statement.

1 25. The article of manufacture of claim 24, wherein the SELECT statement is not
2 a SELECT INTO statement.

1 26. The article of manufacture of claim 23, wherein the selected clauses comprise
2 WHERE clauses.

1 27. The article of manufacture of claim 23, wherein the selected clauses comprise
2 GROUP BY clauses.

1 28. The article of manufacture of claim 23, wherein modifying the query
2 comprises:
3 generating a list of modified queries, wherein each modified query has one or more
4 selected clauses replaced with a false clause; and
5 executing each modified query until one executes successfully.

1 29. The article of manufacture of claim 28, wherein a query executes successfully
2 if it executes without an exception.

